

## 2017 IMACC CONFERENCE SCHEDULE

|  |                                  |                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                          |
|--|----------------------------------|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
|  | <b>Thursday<br/>April 6</b>      | <b>7:00 pm -<br/>10:00 pm</b>     | <b>Pick up folders, Meet and greet, History of Allerton, Social time</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                          |
|  | <b>Friday<br/>April 7</b>        | <b>Program<br/>Code</b>           | <b>SESSIONS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Room</b>              |
|  | <b>7:05 -8:05</b>                |                                   | Breakfast Buffet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Dining<br>Room/Cafeteria |
|  | <b>8:10-9:20</b>                 | G, IT, ST                         | <p><b>Opening Session: Dr. Nathan Tintle</b></p> <p><b>Teaching statistics in the 21<sup>st</sup> century</b></p> <p>Demands for a statistically literate society are increasing, and the algebra-based introductory statistics course (Stat 101) remains the primary venue for learning statistics for the majority of undergraduate students. In fact, over 1 million students a year take Stat 101 in the U.S. alone and yet, anecdotally, it still is often referred to by students as ‘the course I hated the most’ in college. Since Stat 101 is the only college-level quantitative course taken by many students, when these students leave with poor conceptual understanding, even poorer retention and bad attitudes, we’ve missed a tremendous opportunity to change the way our students and our society view data-informed decision making. In this talk we’ll wrestle with new approaches to teaching statistics that can improve students conceptual understanding of how to draw conclusions from data while keeping students engaged, excited and viewing data-informed reasoning as a critically important 21<sup>st</sup> century skill.</p> | Library                  |
|  | <b>9:30-10:30</b>                |                                   | <b>CONCURRENT SESSIONS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                          |
|  |                                  | GE, G, DI                         | <b>Linda Blanco, Randy Gallaher</b> Panel Discussion Co-Requisites in Illinois                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Library                  |
|  |                                  | D, DI, G, PA,<br>P                | <b>Keven Hansen</b> —Department Chair/Lead Faculty Round Table                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Oak                      |
|  |                                  | MI                                | <b>Omar Adawi, Sunil Koswatta</b> , Birds of A Feather: Panel Discussion on College Trigonometry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Pine                     |
|  | <b>9:30-10;<br/>10-10:30</b>     | G<br>IT                           | <p><b>Donna Carlson</b> Take 4: An Advertising Campaign to Encourage High School Students to Take 4 Years of Math</p> <p><b>Mariano Arellano</b> Geogebra Web.0</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Butternut                |
|  | <b>9:30-Noon, 1-<br/>2:30 pm</b> | ST<br>Preregistration<br>Required | <b>Statistics Workshop</b> , Dr. Nathan TINTLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Basement                 |

## 2017 IMACC CONFERENCE SCHEDULE

|  |                      |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                           |
|--|----------------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
|  |                      |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Brick                     |
|  |                      |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                           |
|  | <b>10:40 -11:00</b>  |                      | Morning Break, Coffee Break, Visit Exhibits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                           |
|  | <b>11:00 – 12:00</b> |                      | <b>CONCURRENT SESSIONS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                           |
|  |                      |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                           |
|  |                      | D, DL, IT,<br>CR, GE | <b>Kathy Almy</b> Math Lit Online: Options for Learning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Library                   |
|  |                      | DI                   | <b>Beth Beno</b> How Did You Replace Compass for Math Placement? Round Table Discussion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Oak                       |
|  |                      | G                    | <b>Robert Cappetta</b> Mathematics is Multicultural                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Pine                      |
|  |                      | IT                   | <b>Dan Kernler</b> Introducing Desmos, a Free Online Graphing Tool (and More)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Butternut                 |
|  |                      |                      | Statistics Workshop Continue                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Basement                  |
|  |                      |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                           |
|  | <b>12:00 - 1:00</b>  |                      | <b>Lunch Buffet</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Dining Room/<br>Cafeteria |
|  | <b>1:30 - 2:20</b>   | GE                   | <p><b>General Session – Dr. Karen Saxe</b></p> <p>A Mathematical Adventure through the Census, Reapportionment, and Redistricting</p> <p>We vote, but how are our votes tallied to give the winner? In 1787, the Constitutional Convention established our rather unusual electoral college which necessitates an assignment of representatives to the states; how is this allocation done? After giving an introduction to congressional reapportionment and redistricting, I will explain how mathematics is currently used by the states to prevent and detect gerrymandering. We'll finish with a quick overview of some other ways in which mathematics and democracy interact.</p> <p><b>(Afternoon Break 2:20-2:30 pm)</b></p> | Library                   |
|  |                      |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                           |
|  | <b>2:30 - 3:30</b>   |                      | <b>CONCURRENT SESSIONS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                           |
|  |                      | ST                   | <b>Michael Sullivan</b> Activities that Enhance Conceptual Understanding of Statistics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Library                   |
|  |                      | GE, IT               | <b>Mary Ellen Rahn &amp; Lamar Hester</b> McGraw Hill: Accelerating Success with Co-Requisite Models and Resources                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Oak                       |
|  |                      | G, IS                | <b>Amy Frankel</b> Little Card-Big Utility: The Magical 3 x 5 notecard                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Pine                      |
|  |                      | CR, D, PA            | <b>Peter Betz</b> Data Driven Curricular Decisions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Butternut                 |

## 2017 IMACC CONFERENCE SCHEDULE

|  |                             |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                            |
|--|-----------------------------|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
|  |                             |    | Statistics Workshop Continue                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Basement                                                                                   |
|  | <b>3:30 – 4:30</b>          |    | Park Activities and Exhibits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                            |
|  | <b>4:40 - 5:40</b>          |    | <b>Social Hour and Committee Meetings</b><br>Curriculum Committee<br>Membership Committee                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Pine<br>Oak                                                                                |
|  | <b>5:40 – 6:50</b>          |    | <b>Dinner and Awards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Dining Room/<br>Cafeteria                                                                  |
|  | <b>7:00 – 8:00</b>          | GE | <b>Evening Program – Dr. Eugenia Cheng</b><br><br><b>How to Bake Pi: making abstract mathematics palatable</b><br><br>Mathematics can be tasty! It's a way of thinking, and not just about numbers. Through unexpectedly connected examples from music, juggling, and baking, I will show that math can be made fun and intriguing for all, through hands-on activities, examples that everyone can relate to, and funny stories. I'll present surprisingly high-level mathematics, including some advanced abstract algebra usually only seen by math majors and graduate students. There will be a distinct emphasis on edible examples. | Library                                                                                    |
|  | <b>8:00 – 10:00<br/>PM</b>  |    | <b>Evening Activities: Games, Scholarship Fundraising</b><br>Chutes and Ladders<br>Wii Bowling<br>Billiards<br>Poker<br>Backgammon<br>Bridge<br>Guitar Group<br>Grading Table                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Basement<br>Basement<br>Basement<br>Basement<br>Main Hall<br>Main Hall<br>Butternut<br>Oak |
|  |                             |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                            |
|  |                             |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                            |
|  | <b>Saturday<br/>April 8</b> |    | <b>SESSION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>ROOM</b>                                                                                |
|  | <b>7:15 – 8:15</b>          |    | <b>Breakfast Buffet</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Cafeteria                                                                                  |
|  | <b>8:15 – 9:15</b>          |    | <b>IMACC Business Meeting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Library                                                                                    |
|  | <b>9:25 – 10:25</b>         | GE | <b>General Session:</b> Heather Brown<br><br><b>PARCC Math Updates</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                            |

## 2017 IMACC CONFERENCE SCHEDULE

|  |                      |            |                                                                                                                                                                                                                                                                                                                                                               |           |
|--|----------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
|  |                      |            | <p><i>Participants will be introduced to the Illinois Learning Standards in Math addressing the language of the new standards, PARCC Model Content Frameworks, the three Key Shifts, Mathematical Practice Standards, PARCC Math assessments overview and Practice Tests and explore ISBE resources.</i></p> <p><b>(Morning Break 10:25 am- 10:40 am)</b></p> |           |
|  | <b>10:40 – 11:40</b> |            | <b>CONCURRENT SESSIONS</b>                                                                                                                                                                                                                                                                                                                                    |           |
|  |                      | GE,        | <b>Roberta Christy, Connie McLean</b> Round Table Teacher Share                                                                                                                                                                                                                                                                                               | Library   |
|  |                      | GE, IT     | <b>Ashlyn Newsome</b> Web Accessibility, New Courses, and Custom Tools                                                                                                                                                                                                                                                                                        | Oak       |
|  |                      | DL, IS, ST | <b>Kim McHale</b> Use of student video discussions in an online course                                                                                                                                                                                                                                                                                        | Pine      |
|  |                      | G          | Cengage TBA                                                                                                                                                                                                                                                                                                                                                   | Butternut |
|  |                      | DI, G,     | <b>Keven Hansen, Brian Mercer</b> Panel Discussion HB5729 Postsecondary and Workforce Readiness Act                                                                                                                                                                                                                                                           | Basement  |
|  | <b>11:45-12:00</b>   |            | <b>Contest Results, raffle, closing remarks, Pass the Gavel</b>                                                                                                                                                                                                                                                                                               | Library   |
|  | <b>12:00-1:00</b>    |            | Lunch Buffet                                                                                                                                                                                                                                                                                                                                                  |           |